

GLEN CANYON NATIONAL RECREATION AREA

PUBLIC USE COUNTING AND REPORTING INSTRUCTIONS

Following are detailed instructions for collecting and reporting data to be entered on Form 10-157, Revised, Monthly Public Use Report by Glen Canyon National Recreation Area. These instructions are effective the date of issuance and will continue in effect unless changed by amendment or by memorandum from the Socio-Economic Studies Division to the superintendent approving a requested change.

Each item below describes the procedures to be followed in collecting public use data and summarizing the various elements of those data for entry on the corresponding line on the 10-157, Monthly Public Use Report.

Recreation Visits

WAHWEAP DISTRICT

1. A pneumatic tube traffic counter is located on the entrance lane to Chains.
2. A pneumatic tube traffic counter is located on the golf course overlook road.
3. A pneumatic tube traffic counter is located on Sunrise Point overlook road (Beer Can Hill).
4. An inductive loop traffic counter is located on the entrance lane at South Lake Shore Drive.
5. An inductive loop traffic counter is located on the entrance lane at Lake Powell Motel at Wahweap Blvd (North Lake Shore Drive).
6. An inductive loop traffic counter is located on both the entering and exiting lanes of Lone Rock Road (the count of which is divided by 2 to adjust for entering and exiting vehicles).
7. The number of vehicles using Beehive backcountry road and Warm Creek backcountry road. These vehicle counts are based upon visual estimates by law enforcement rangers.

The traffic count from the counters at South Lake Shore Drive and North Lake Shore Drive are reduced for the number of buses, nonrecreation (see Table 2), and nonreportable vehicles (0.02 percent). The total traffic count from all other counters and the visual estimates is reduced for nonreportable vehicles (0.02 percent) and nonrecreation vehicles (Table 2). The reduced vehicle count is multiplied by the persons-per-vehicle (PPV) multiplier in Table 3.

2. The number of bus passengers.

BULLFROG DISTRICT

1. An inductive loop traffic counter is located on the entrance lane of Highway 276 near the junction of Burr Road. The total traffic count is reduced for nonreportable vehicles (0.02 percent) and nonrecreation vehicles (see Table 2). The reduced vehicle count is multiplied by the PPV multiplier in Table 3.
2. The number of bus passengers (the number of buses is multiplied by the persons-per-bus (PPB) multiplier of 35).

3. The number of horseback riders and hikers entering the backcountry that are not counted elsewhere.
4. The number of private plane passengers (the number of planes is multiplied by the PPV multiplier in Table 3).

HALLS CROSSING DISTRICT

1. An inductive loop traffic counter is located on the entrance lane of Highway 276 into the Halls Crossing District, one mile from the marina entrance. The total traffic count is reduced for nonreportable vehicles (see Table 1) and nonrecreational vehicles (see Table 2). The reduced vehicle count is multiplied by the PPV multiplier in Table 3.
2. The number of bus passengers (the number of buses is multiplied by the PPB multiplier of 35).
3. The number of backcountry overnight stays.
4. The number of river users (from BLM count).
5. The number of San Juan River trip passengers.

Table 1
Nonreportable Vehicles by Month (Halls Crossing)

MONTH	NUMBER OF NONREPORTABLE VEHICLES
January	61
February	61
March	61
April	63
May	150
June	180
July	180
August	180
September	162
October	108
November	61
December	61

LEES FERRY DISTRICT

An inductive loop traffic counter is located on the entrance lane to the Lees Ferry District, off of Alternate Highway 89. The total traffic count is reduced for buses. The reduced vehicle count is multiplied by the PPV multiplier in Table 3.

HITE DISTRICT

1. An inductive loop traffic counter is located on the entrance lane of the Hite Access Road, off of Highway 95. The total traffic count is reduced for nonreportable vehicles (0.02 percent) and nonrecreation vehicles (see Table 2). The reduced vehicle count is multiplied by the PPV multiplier in Table 3.

2. The number of visitors to Orange Cliffs and Dark Canyon.

3. The number of river runners (permit count from Canyonlands NP).

4. The number of private plane passengers (the number of planes on the airstrip is multiplied by PPV multiplier in Table 3).

ESCALANTE DISTRICT

1. An electronic eye traffic counter (operated and maintained by BLM) is located on the Hole-in-the-Rock Road, just off of State Highway 12 on BLM administered land. The traffic count is adjusted for entering and exiting vehicles by multiplying the traffic count by 0.51. The adjusted vehicle count is multiplied by the PPV multiplier of 3.2.
2. The number of recreation visitors to Moody Creek is estimated from ranger observations.
3. The number of Escalante downriver floaters is estimated from ranger observation.
4. The number of backcountry hikers.

Table 2
Nonrecreation Vehicle Multiplier by Month

MONTHLY TIME PERIOD	NONRECREATION VEHICLE MULTIPLIER
(March-May) (September- November)	0.02
(June-August)	0.01
(December-February)	0.03

Table 3
Persons-Per-Vehicle Multiplier by Month

MONTHLY TIME PERIOD	PPV MULTIPLIER
(March-May) (September- November)	2.7
(June-August)	3.2
(December-February)	2.8

Nonrecreation Visits

Wahweap, Bullfrog, Lees Ferry, Halls Crossing, and Hite Districts

The number of nonrecreation vehicles is multiplied by the PPV multiplier of 2.

Recreation Visitor Hours

1. The total number of recreation visits is multiplied by 6 hours.
2. The total overnight stays are reduced for nonrecreation overnight stays, then multiplied by 12 hours.

Nonrecreation Visitor Hours

1. Nonrecreation visits are multiplied by 4 hours.
2. Nonrecreation overnight stays are multiplied by 12 hours.

Overnight Stays

Concessioner Lodging - Wahweap Lodge, LP Motel, Hite Resort, Halls Crossing Resort, and Bullfrog Lodge

1. Wahweap Lodge and Marina - the number of overnight stays
2. Hite Resort and Marina - the number of overnight stays
3. Halls Crossing Resort and Marina - the number of overnight stays
4. Bullfrog Resort and Marina - the number of overnight stays

Concessioner Campgrounds - Wahweap R/V Park, Halls Crossing R/V Park, and Bullfrog R/V Park

The number of R/V and tent sites occupied is multiplied by the PPV multiplier in Table 3.

NPS Campgrounds - Wahweap District, Bullfrog District, Halls Crossing District, Lees Ferry District, and Hite District

1. The number of tents sites occupied is multiplied by the PPV multiplier in Table 3.
2. The number of R/V sites occupied is multiplied by the PPV multiplier in Table 3.

NPS Backcountry

1. Bullfrog District

The number of overnights stays by visitors hiking or horseback riding into district based upon ranger observation.

2. Hite District

The number of overnight stays by visitors to Dark Canyon (from station contacts and trail register) and Orange Cliffs (from trail counter and ranger count at Canyonlands NP Hans Flat area).

3. Halls Crossing District

The number of overnights stays by visitors hiking or horseback riding into district based upon

ranger observation.

4. Lees Ferry District

The number of overnight stays by visitors entering Paria Canyon based upon ranger contact.

5. Escalante District

- a. The number of overnight stays from backcountry permits.
- b. The number of overnight stays by commercial group visitors.

NPS Miscellaneous

1. Wahweap District - Lonerock, Warm Creek, and Antelope Point

- a. The number of beach unit campsites are counted by park rangers then multiplied by the seasonal PPV multiplier (see Table 3).

b. A morning count of all vehicles parked at the 14 day parking areas is multiplied by the PPV multiplier in Table 3.

c. The number of group campers as determined by permits.

d. The number of overnight stays by visitors renting concessioner owned houseboats.

2. Bullfrog District - Stanton Creek and Bullfrog

a. The number of beach unit campsites are counted by park rangers then multiplied by the PPV multiplier in Table 3.

b. A morning count of all vehicles parked at the 14 day parking areas is multiplied by the PPV multiplier in Table 3.

c. The number of overnight stays by visitors renting concessioner owned houseboats.

3. Hite District

a. A morning count of all vehicles in the parking area for the boat ramp is multiplied by the PPV multiplier in Table 3.

b. The number of river runners and visitors to Orange Cliffs.

c. The number of overnight stays by visitors renting concessioner owned houseboats.

4. Halls Crossing District

a. A morning count of all vehicles in the parking area for the boat ramp is multiplied by the PPV multiplier in Table 3.

b. The number of overnight stays by visitors renting concessioner owned houseboats.

5. Lees Ferry District

A morning count of all vehicles parked at the 14 day parking areas is multiplied by the PPV multiplier in Table 3.

NPS Nonrecreation Overnight Stays

Escalante District

The number of nonrecreation overnight stays at line shacks from ranger observation.